

1 **Claims**

2 **Claim 1.** A computer-implemented prescription management
3 system for use by a prescriber in creating a prescription at
4 a point of patient care, said prescription being usable by a
5 pharmacist to dispense drugs, said prescription management
6 system comprising:

7 a) electronic posting means to select and capture in said
8 prescription:

9 i) a patient identifier;

10 ii) a prescribed drug;

11 iii) a dosage for said prescribed drug; and

12 iv) a patient condition intended by said prescriber to
13 be treated by said prescribed drug; and

14 b) a displayable library of prescribable drugs; and

15 c) displayable patient drug formulary information to

16 indicate to said prescriber-user selected ones of said

17 prescribable drugs included within a drug formulary

18 associated with said patient to enable compliance with drug

19 formulary guidelines at the point-of-care.

20

21 **Claim 2.** A prescription management system according to

22 Claim 1 having means to track preferred data usage by a user

23 and to adapt data displays to favor such preferred usage,

24 whereby the system learns and adapts to a user's habits.

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26 **Claim 3.** A prescription management system according to

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1 Claim 2 wherein at least one said preferred usage data
2 display comprises a personal-preference condition-selection
3 list for each system user.

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5 **Claim 4.** A prescription management system according to
6 Claim 2 wherein at least one said preferred usage data
7 display comprises a personal-preference drug-selection list
8 for each system user.

9
10 **Claim 5.** A prescription management system according to
11 Claim 1 further comprising a patient history record
12 displayed online, said patient history record listing
13 electronically available prior prescriptions, said prior
14 prescriptions each including a prescribed drug and a
15 condition treatment objective for each drug prescribed,
16 system-created prescriptions being system-added to said
17 history record.

18
19 **Claim 6.** A prescription management system according to
20 Claim 5 comprising a patient condition list for selection of
21 a patient condition for posting to said prescription, said
22 patient condition list comprising patient conditions listed
23 in said patient history record.

24
25 **Claim 7.** A prescription management system according to
26 Claim 1 comprising a source-oriented data-retrieval

Claim 10. A prescription management system according to Claim 9 implemented on a user interface device configured for networked digital communication with a host computer facility, wherein said patient history record is retrieved as said record elements from said remote databases by said host computer facility in response to a call from said user device said remote source databases being selected and identified according to said patient's prior geographical

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1 Claim 14. A prescription management system according to
2 Claim 1 wherein said drugs in said drug list are classified
3 according to a patient condition for which said drugs have
4 efficacy and said prescription management system further
5 comprises a patient-condition specification procedure for
6 selecting said condition from groups of possible conditions
7 and an onscreen drug selection procedure for selecting said
8 prescribed drug from said library, listing multiple drugs
9 for treating each said patient problem.

10
11 Claim 15. A prescription management system according to
12 Claim 1 wherein said patient drug formulary display means
13 comprises a condition-driven formulary drug list, and a
14 condition-driven nonformulary drug list, said drug lists
15 being changeable according to the patient selected.

16
17 Claim 16. A prescription management system according to
18 Claim 15 wherein said system provides drug efficacy
19 guidelines based on patient information and formulary
20 information.

21
22 Claim 17. A prescription management system according to
23 claim 3
24 wherein said prescriber-user's personal-preference list of
25 drugs displayed with formulary drugs indicated.
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1 **Claim 18.** A prescription management system according to
2 Claim 1 including relative cost information for displayed
3 formulary drugs.

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5 **Claim 19.** A prescription management system according to
6 Claim 1 wherein said drug formulary is generated by a
7 prescription benefits management company by providing
8 computer access to remote databases containing said drug
9 formulary information whereby appropriate formulary drugs
10 are presented to said user on screen on a user interface
11 device deployable at said point-of-care, to facilitate
12 compliance with drug formulary guidelines at said point-of-
13 care.

14
15 **Claim 20.** A prescription management system according to
16 Claim 1
17 wherein prescribability of a drug pursuant to formulary
18 guidelines is formulary-qualified according to said patient
19 condition.

20
21 **Claim 21.** A prescription management system according to
22 Claim 1 comprising built-in logic for accessing drug
23 formulary information from multiple drug formulary providers
24 wherein said drug formulary list is selected from said
25 multiple available drug formularies according to said
26 patient identification, said patient having a prior

1 arrangement with said drug formulary provider to provide
2 prescription-related benefits to that patient, said drug
3 formulary list information being dynamically presented to
4 said prescriber-user in the form of at least one selection
5 of patient-specific formularies from which a formulary
6 status indication relevant to a patient therapy-related
7 choice made by said prescriber-user is made.

8
9 **Claim 22.** A prescription management system according to
10 Claim 21 comprising network data communication means to
11 update and maintain said multiple available formularies from
12 remote source databases of formulary information.

13
14 **Claim 23.** A prescription management system according to
15 Claim 1 wherein comprising means to categorize and display
16 said patient conditions categorized into multiple lists,
17 said lists being selected from the group consisting of a
18 personal condition list of conditions encountered by the
19 prescriber, a historical condition list of conditions
20 exhibited by the patient, one or more prescriber-customized
21 condition lists, a body system condition list, conditions
22 organized according to disease pathology, therapy, personal
23 knowledge and others.

24
25 **Claim 24.** A prescription management system according to
26 Claim 23 wherein drug selection is condition driven and said

prescriber selects a patient condition to be treated via at least one of said condition lists.

Claim 25. A prescription management system according to Claim 24 wherein a prescriber-user can intelligently to access a large body of drug data selections via multiple condition-driven routes to provide multiple mapping so that the user can find a suitable drug or selection of drugs via different pathways according to their preferred work methods.

Claim 26. A prescription management system according to Claim 1 wherein said electronic posting means can select and capture dosage and route of administration information, and optionally, length-of-treatment and generic substitution authorization information, for a selected drug, said information being system-available for all listed drugs.

Claim 27. A prescription management system according to Claim 26 comprising network data communication means to update and maintain said dosage information said dosage information being dynamically supplied from a remote source database when called by the system.

Claim 28. A prescription management system according to Claim 1 comprising a prescription expiration routine

1 Claim 1 comprising a patient data access subsystem providing
2 patient-directed control of the flow of their own data.

3
4 **Claim 32.** A prescription management system according to
5 Claim 31 wherein said patient-directed data-access control
6 is achieved by centrally inputting to said patient data
7 access subsystem at a host computer facility, patient-
8 generated record-access specifications determining which
9 parties can access what data during what period of time.

10
11 **Claim 33.** A prescription management system according to
12 Claim 32 wherein said patient-generated record-access
13 specifications provide a patient security profile in a pre-
14 authorization file said pre-authorization file being used to
15 control access to said patient's data.

16
17 **Claim 34.** A prescription management system according to
18 Claim 1 comprising user-related historical records generated
19 by operation of said system by a prescriber-user, a user
20 data-access control subsystem including data-access control
21 specification means enabling a user to authorize selective
22 third party access to said user's history data and
23 comprising data access control means whereby only an
24 authorized third party can access said user's data and what
25 data type may be accessed by what organization or provider.
26

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Claim 41. A prescription management system according to Claim 40 whereby a drug can be withdrawn from the market the same day by making a system entry preventing completion of a prescription for the withdrawn drug.

Claim 45. A prescription management system according to Claim 1 comprising a patient-selection subsystem whereby preliminary

1 selection of groups of patients can be made by providing
2 multiple patient lists selected from the group consisting of
3 "Today's Patients", "In-Patients", "Out-Patients", "Private
4 Patients" and others.

5
6 **Claim 46.** A prescription management system according to
7 Claim 45 wherein said patient lists are system-maintained,
8 on an ongoing basis, using the latest data available to the
9 system and include intelligent patient selection means
10 enabling the user to select a convenient group of patients
11 that has a high probability of including the next patient or
12 patients to be encountered, thereby speeding access and
13 retrieval of a desired patient record.

14
15 **Claim 47.** A prescription management system according to
16 Claim 1 comprising onscreen access to drug detail
17 information as to indications, interactions, side effects
18 and precautions.

19
20 **Claim 48.** A prescription management system according to
21 Claim 1 comprising a drug literature-retrieval subsystem to
22 retrieve drug -related information across a network from a
23 remote heterogenous database for display to said user in
24 real time.

25
26 **Claim 49.** A prescription management system according to

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Claim 51. A prescription management system according to Claim 49 wherein said drug literature-retrieval subsystem is operative to provide a simple nonintrusive technique for bringing new drug information to physicians at a point of care when creating a prescription.

Claim 53. A prescription management system according to Claim 1 comprising a new drug surveillance subsystem to conduct post introduction market surveillance of new drugs for adverse outcomes to the treatment of a specified condition or conditions with the newly introduced drug.

Claim 54. A prescription management system according to Claim 53 wherein said new drug surveillance subsystem is operative to monitor patients reporting new problems after having been prescribed the new drug in question, refer such new problems to the physician user to qualify them for medical relevance and then statistically compare a collection of similar reports with data on a pool of similarly treated patients for significance.

1 **Claim 55.** A prescription management system according to
2 Claim 1 wherein said condition list comprises at least five
3 conditions, and said drug list comprises at least five
4 drugs.

5
6 **Claim 56.** A prescription management system according to
7 Claim 1 wherein said drug information comprises associated
8 condition information and dosage information for at least
9 about fifty percent of all prescribable FDA-approved drugs.

10
11 **Claim 57.** A prescription management system according to
12 Claim 1 comprising means to output a newly created
13 electronic prescription in any desired form such as to
14 print, to local or remote storage or to remote file transfer
15 as an electronic prescription.

16
17 **Claim 58.** A prescription management system according to
18 Claim 1 comprising means for transmitting said electronic
19 prescription across a network for fulfillment by a specified
20 pharmacy.

21
22 **Claim 59.** A prescription management system according to
23 Claim 57 comprising a printed dosage schedule output for
24 said patient.

25
26 **Claim 60.** A prescription management system according to

1 Claim 1 wherein multiple physicians accessed by a patient
2 utilize the system described herein, with common online
3 access to, and assembly of, a patient's prescription history
4 record whereby that record provides a current record of new
5 prescriptions, then a common abuse can be controlled wherein
6 a patient presents a problem or condition to more than one
7 physician to obtain multiple prescriptions with a view to
8 indulging in abusive ingestion or illicit resale.

9
10 **Claim 61.** A prescription management system according to
11 Claim 1 wherein the system also provides, for example in the
12 patient's history record, notification from a pharmacy, or
13 from a drug benefit plan linked to the pharmacy, of
14 fulfillment of a prescription, and that information is
15 available to the prescriber, for example from the patients'
16 history record, another common abuse wherein a patient
17 pleads loss of a prescription to obtain a duplicate, can
18 also be prevented.

19
20 **Claim 62.** A prescription management system according to
21 Claim 1 wherein the system also provides, for example in the
22 patient's history record, notification from a pharmacy, or
23 from a drug benefit plan linked to the pharmacy, of
24 fulfillment of a prescription, and that information is
25 available to the prescriber, for example from the patients'
26 history record, wherein a patient's failure to have a

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1 prescription fulfilled indicating discontinuance of the
2 prescribed therapy can be monitored and possibly corrected.

3
4 **Claim 63.** A prescription produced by the system of claim 1
5 output in a form selected from the group consisting of
6 electronic, paper, digitized voice and fax.

7
8 **Claim 64.** A prescription management system for electronic
9 prescription creation by a prescriber at a point of patient
10 care, said prescription being usable by a pharmacist to
11 dispense drugs, said prescription management system
12 comprising electronic posting means to select and capture in
13 said prescription:

- 14 i) a patient identifier;
15 ii) a prescribed drug;
16 iii) a dosage for said prescribed drug; and
17 iv) a patient condition intended by said prescriber to
18 be mitigated by said prescribed drug.

19
20 **Claim 65.** A prescription management system according to
21 Claim 64 further comprising an onscreen drug selection
22 procedure having a patient condition list specifying
23 multiple possible patient conditions, having a drug list
24 specifying multiple possible prescribable drugs and having
25 drug specification means to select and post a desired drug
26 to said prescription;

1 wherein drugs in said drug list are classified according to
2 a patient condition for which said drugs have efficacy and
3 said onscreen drug selection procedure lists multiple drugs
4 for treating each said patient problem.

5
6 **Claim 66.** A prescription management system according to
7 Claim 64 comprising drug formulary information being a
8 selected list of drugs being preferred for prescribing by a
9 drug benefit provider to said patient.

10
11 **Claim 67.** In combination, a host computer facility and a
12 prescription management system according to claim 64
13 implemented on said host computer facility said host
14 computer facility supporting network delivery of user-
15 relevant components of said prescription management system
16 to multiple remote user interface devices and providing data
17 and communications resources for users to draw upon
18 employing said interface devices.

19
20 **Claim 68.** A combination according to claim 67 wherein said
21 host computer facility can communicate with multiple
22 heterogenous remote databases to retrieve complementary data
23 elements from said databases and comprises:

- 24 i) a dynamic record assembly procedure for online assembly
25 of a data record from said complementary data elements;
26 and

Claim 69. A professional product specification system for electronically creating a technical specification usable by a professional to specify technical products said product specification system comprising:

- i) a customer identifier;
- ii) a specified product; and
- iii) product specifications; and

wherein products in said product list are classified according to a customer-useful technical purpose attainable with said products and said onscreen product selection procedure lists multiple products for providing each said customer benefit.

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